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GEOLOGIC REPORT LOG

COMPANY H+C Oil Operating, Inc.

WELL Brachetebach #2-1

FIELD Mildrester

LOCATION 330' FSL + 936' FEL

SEC. 2 **TWP.** 9S **RG.** 23W

COUNTY Graham

STATE Kansas

OPERATOR H+C Oil Operating, Inc.

CONTRACTOR American Eagle, Rig #3

COMM. 11-10-13

SURF: 48' @ 220' PRD: 51' @ 3853'

TOTAL DEPTH DRILLERS: 3855'

TOTAL DEPTH LOG: 3853'

9S	23W
2	

PRODUCTION LKC

ELEVATION KB 2284

DF 2279

GL 2279

KB 3500

TD 3200

TD 3200

TD 3200

TD 3200

TD 3200

TD 3200

TD 3200

TD 3200

TD 3200

TD 3200

TD 3200

TD 3200

FORMATION TOPS AND STRUCTURAL POSITION

FORMATION	SAMPLE TOP	ELECTRIC LOG TOP	SURF-SEA DATUM	STRUCTURAL POSITION
Top Anhydrite	1917	1915	+349	+16
Base Anhydrite	1950	1941	+331	NA
Topella	3334	3333	-1649	+4
Heebner	3632	3614	-1265	+2
Toronto	3572	3572	-1288	+3
LKC	3590	3586	-1342	+1
BKC	3810	3808	-1524	+1

REFERENCE WELL FOR STRUCTURE
 Phillips #1
 NE-SE-SE
 Marfin Drilling Co.
 Sec. 2-9S-23W

DRILL STEM TESTS

No.	Interval	IFP/Time	SIP/Time	FFP/Time	ESP/Time	HP-FHP	RECOVERY

REMARKS AND RECOMMENDATIONS: Due to structural position, DST recovery & log evaluation, it was decided to set 5 1/2" production casing for completion.

Perforate:
 LKC K: 3774-80 (First set plug if wet)
 I: 3741-44
 A: 3588-90 (Before Abandonment)

LEGEND

